

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Norwalk Substation**

**Date:** August 17, 2006

**Inspector:** Lee Curtis, Susan Infalt

**Location:** Norwalk Substation Expansion

**Storm/**

**Rain Event:** Depending on location, between 0.49-0.59" of rain was recorded on 8/15, with possibly higher localized totals as reported by NOAA.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways	- The catch basin near the Route 7 ramp receives a lot of off-site stormwater-sedimentation of roadway sand is occurring here. 12/22-8/17/06.	-The area should no longer be affected by any onsite sediment. The silt fence could be removed. 12/1-8/17/06.	-N/A.
Foundation construction	-Remaining work involves electrical testing. 8/17/06.	- None at this time. Little to no soil disturbing work is occurring. 5/17-8/17/06.	-N/A
	- MJ Electric remain on site to pull wire between the station and the ROW. 8/3-8/17/06	- None at this time. 8/17/06	-N/A
	-Stone remains in place around the base of the 345kV turning structure. 8/17/06	-Continue to monitor. Consider re-vegetating the adjacent bank if feasible 8/17/06	- N/A
Erosion and Sediment Controls	- Erosion on the slope of the river appears to be forming again near the structure. 6/28-8/17/06	- Continue to monitor and attempt to make the area more natural/ vegetated if feasible. 5/25-8/17/06.	-N/A
	- Stone was placed around the inlet on site in an effort to filter run-off. 6/20-8/17/05	- Continue to monitor to determine if this control works to reduce turbidity to the river. 8/17/06	-N/A

Areas of Inspection	Observation	Recommended Action	Corrected Action
Inland Wetland and Watercourse encroachment and mitigation	- Vegetation continues to grow well along the original overflow channel as well as in the landscaped area near the GIS building. 8/17/06.	- None at this time. The overflow channel was dry at the time of inspection. 8/17/06.	-N/A
Vegetative clearing limits (including trees to save or danger trees noted)	-The riverbank to the north of site in the ROW could use some vegetative cover. 5/17-8/17/06	- None at this time. Continue to monitor and consider adding seed if feasible. This is likely overhead jurisdiction. 5/17-8/17/06	-N/A
Dewatering	-Construction dewatering should no longer be occurring on site. 8/17/06.	-None at this time. 8/17/06.	-N/A.
Blasting	- Not applicable	- None at this time.	-N/A
Spills and Material Storage	- Equipment remains on site for wire pulling. Continue to monitor for any leaks or spills while on site. 8/17/06.	In general: - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. - Report spills to the office immediately, even if they are being controlled.	-N/A
Additional Observations	-This site may be able to be removed from the inspection route in the near future. 8/17/06		

### Plumtree Substation

**Date:** August 16, 2006

**Inspector:** Diana Walden

**Location:** Plumtree Substation Expansion, Bethel

**Storm/**

**Rain Event:** Depending on location, between 0.49-0.59" of rain was recorded on 8/15, with possibly higher localized totals as reported by NOAA..

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads	<ul style="list-style-type: none"> <li>- Work has returned to the substation so the drive is again in use for this equipment. 8/16/06.</li> <li>-Sediment had been noted in the wetland swales adjacent to the access road. 7/5-8/16/06</li> </ul>	<ul style="list-style-type: none"> <li>- None at this time. 8/16/06.</li> <li>- This is likely a pre-existing condition and not directly related to the expansion work. However, if the road can be further stabilized, this may help the situation. 7/19-8/16/06</li> </ul>	<ul style="list-style-type: none"> <li>-N/A.</li> <li>- Needs evaluation</li> </ul>
Foundation construction	<ul style="list-style-type: none"> <li>- Some site work continues at the time of inspection on the structures and forms and internal to the cable trenches. 8/16/06.</li> </ul>	<ul style="list-style-type: none"> <li>- Remain aware that the perimeter of the yard is surrounded by wetlands. See erosion control section. 3/15-8/16/06.</li> </ul>	<ul style="list-style-type: none"> <li>-N/A at this time.</li> </ul>
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> <li>- The site has been graded on an even level to the perimeter stone berm towards the rear of the site. 7/19-8/16/06</li> <li>-A few stockpiles remain but are mostly contained to the site. 8/16/06.</li> </ul>	<ul style="list-style-type: none"> <li>- The berm must remain maintained as sediment control. It may need to be built up with stone in order to filter effectively. 7/19-8/16/06</li> <li>-Continue to monitor. 8/16/06.</li> </ul>	<ul style="list-style-type: none"> <li>- Needs evaluation</li> <li>-N/A</li> </ul>
Inland Wetland and Watercourse encroachment and mitigation	<ul style="list-style-type: none"> <li>- Wetlands are located around the outskirts of the substation yard. 8/16/06</li> </ul>	<ul style="list-style-type: none"> <li>- Maintain perimeter berm. Vegetation adjacent to the yard is thick and helps filter run-off. 8/16/06.</li> </ul>	<ul style="list-style-type: none"> <li>N/A.</li> </ul>
State species of concern, threatened and endangered species	<ul style="list-style-type: none"> <li>- The wood turtle was seen along the outside perimeter of the station the week of 5/25/06.</li> </ul>	<ul style="list-style-type: none"> <li>- Move machinery carefully and perform daily walkdowns of the site. Continue to watch carefully for the turtle. 5/25-8/16/06.</li> </ul>	<ul style="list-style-type: none"> <li>-Crews should remain aware during work.</li> </ul>
Vegetative clearing limits (including trees to save or danger trees noted)	<ul style="list-style-type: none"> <li>- No vegetation outside of the substation yard will need to be cleared during the expansion work.</li> </ul>	<ul style="list-style-type: none"> <li>- None (clearing for a separate project will begin soon outside of the yard in the adjacent ROW)</li> </ul>	<ul style="list-style-type: none"> <li>-N/A</li> </ul>
	<ul style="list-style-type: none"> <li>- Active dewatering was</li> </ul>	<ul style="list-style-type: none"> <li>- When necessary, utilize</li> </ul>	<ul style="list-style-type: none"> <li>-N/A</li> </ul>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Dewatering	not observed at the inspection and the site is drying out. 8/16/06. -See spill section regarding concrete washouts.	methods of controlling dewatering without letting unfiltered water off-site. 8/9/06	
Blasting	- No blasting is occurring on site at this time.	- None at this time.	-N/A
Spills and Material Storage	- No spills or leaks were noted. Now that machinery has returned, continue to monitor. 8/16/06  -However, a concrete washout was noted at an existing stockpile. It remained within the yard but drivers should be directed to a designated, contained area for washouts. 8/16/06	- The contractors should remain vigilant about securing and handling fuel containers. - Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis. - Report spills to the office immediately, even if they are being controlled.	-N/A  - Inform drivers and create a designated area.
Additional Observations			

**Next likely scheduled inspection:**

Wednesday, August 23, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:**

Diana Walden





(Norwalk Substation): Photo on the left shows the stone remaining in place at the base of the 345kV turning structure. Overhead crews were pulling wire at the substation. (Plumtree Substation): Photo on the right shows a current overview of the yard. 8/16/06



(Plumtree Substation): Photo on the left shows a concrete washout at an existing stockpile. The material did not leave the yard but it should be contained better in a designated area. Photo on the right shows a view of the work continuing on the recent structures and forms. 8/16/06